

**COLORADO RIVER RECOVERY PROGRAM
FY–2012–2013 PROPOSED SCOPE OF WORK for:**

Project No.: C-29a

(Salvage of native fish from the Grand Valley Irrigation Company and Grand Valley Water Users canals).

Lead Agency: Fish and Wildlife Service
Colorado River Fishery Project

Submitted by: Bob D. Burdick, Fishery Biologist (LEAD)
Dale Ryden, Acting Project Leader
Address: 764 Horizon Drive, Building B
Grand Junction, CO 81506-3946
Phone: (970) 245-9319
FAX: (970) 245-6933
E-mail: Bob_Burdick@FWS.GOV
Dale_Ryden@FWS.GOV

Date: 9 March 2011
Revised: 14 April 2011

Category:

- Ongoing project
- Ongoing-revised project
- Requested new project
- Unsolicited proposal

Expected Funding Source:

- Annual funds
- Capital funds
- Other (explain)

I. Title of Proposal: **Salvage of native fish from Grand Valley Irrigation Company and Grand Valley Water Users Canals**

II. Relationship to RIPRAP: Colorado River Mainstem II.B.1.b. Screen Grand Valley Irrigation Company Canal.

III. Study Background/Rationale and Hypotheses:

A fish screen was constructed on the Grand Valley Irrigation Company (GVIC) irrigation canal in winter 2001 – 2002. However, for the first few years following construction, the screen was not operated for a full season. The GVIC fish screen is now fully operational. A fish screen was completed in the summer of 2005 for the Grand Valley Water Users (GVWU)s Canal. It became fully operational in 2009. However, during events when debris overloads the screens and water cannot pass through them, the irrigation companies have the option of either lifting the screens (GVIC) or use the bypass channel (GVWUs). When this occurs, fish can pass downstream of the fish screen and underground pipe that returns them to the river. Hence, fish can swim down canal and ultimately become stranded in the canal when it is dewatered during the fall.

IV. Study Goals, Objectives, End Product:

Estimate the number of fish entrained in the GVIC canal. Return native fish to the Colorado River.

V. Study Area

GVIC and GVWUs irrigation canals, Grand Junction, Colorado

VI. Study Methods/Approach

The upstream portions of the main canals and major laterals that hold water after irrigation diversions are terminated will be sampled using a truck-mounted electrofishing system. The truck will travel the canal roads searching for pools of water that could still hold fish. When pools of water are found, crews will walk the canal using electrofishing probes and capture all fish possible. Native fish will be placed in a hatchery truck, transported to the Colorado River and released alive. Records of native species and numbers of native fishes collected will be maintained.

VII. Task Description and Schedule

Task 1. Sample GVIC and GVWUs canals

Schedule

Task 1. 11/2012; 11/2013

VIII. FY-2012 Work

Deliverables/Due Dates: Sample canal, provide summary of fish collected—November, 2011

Budget (salary + benefits; actual salary rates w/ benefits provided by CRFP Administrative Officer used for labor; funding levels set by RP staff)

Task 1. Sample GVIC and GVWU canals, remove native fish and re-locate to the Colorado River

1. Labor (salary and benefits)(salaries rounded to the nearest dollar)

Project Leader (1-GS-14@ \$ 74.16/hr)	16 hrs	\$ 1,187
Asst. Project Leader (1-GS-13@ \$ 61.38/hr)	38 hrs	\$ 2,332
Fish Biologist (1-GS-12 @ \$ 49.84/hr)	80 hrs	\$ 3,987
Fish Biologist (1-GS-12 @ \$ 57.96/hr)	80 hrs	\$ 4,637
Fish Biologist (1-GS-11 @ \$ 42.91/hr)	80 hrs	\$ 3,433
Admin. Officer (GS-9 @ \$ 39.63/hr)	51 hrs	\$ 2,021

Bio Tech (1-GS-6 @ \$ 24.70/hr)	80 hrs	\$ 1,976
Bio Tech (3-GS-5 @ \$ 17.45/hr)	120 hrs ea.	\$ 6,282
	Subtotal	\$ 25,855
2. Travel		\$ 0
	Subtotal	\$ 0
3. Equipment		
a) Vehicles: GSA-lease (rate= \$334/month; 0.30/mile)		
Number of vehicles: 3		
Lease: \$ 334/month X 3 vehicles=\$ 1,002		\$ 1,002
Mileage: 100 miles/day/vehicle X 3 vehicles=3,000 miles		
3,000 miles X 0.30/ miles=\$ 900		\$ 900
b) Electrofishing supplies/repairs		\$ 300
c) Dip nets/bags, new seine purchase		\$ 400
d) Trash pump tune up/filters/gasoline/PVC suction/ discharge hoses		\$ 400
e) PPE (chest waders, rubber gloves)		\$ 800
f) Stress coat (holding and transporting fish)		\$ 87
g) Office supplies/paper, telephone, copy machine		\$ 350
	Subtotal	\$ 4,239
4. Other		\$ 0
	Subtotal	\$ 0
	FY2012 Total	\$ 30,094

FY-2013 Work

Deliverables/Due Dates: Sample canal, provide summary of fish collected—November, 2012

Budget (salary + benefits; actual salary rates w/ benefits provided by CRFP
Administrative Officer used for labor; funding levels set by RP office)

Task 1. Sample GVIC and GVWU canals, remove native fish and re-locate to the Colorado River

1. Labor (salary and benefits)(salaries rounded to the nearest dollar)		
Project Leader (1-GS-14@ \$ 76.34/hr)	16 hrs	\$ 1,221
Asst. Project Leader (1-GS-13@ \$ 65.05/hr)	38 hrs	\$ 2,472
Fish Biologist (1-GS-12 @ \$ 51.29/hr)	80 hrs	\$ 4,103
Fish Biologist (1-GS-12 @ \$ 59.65/hr)	80 hrs	\$ 4,772
Fish Biologist (1-GS-11 @ \$ 45.53/hr)	80 hrs	\$ 3,642
Admin. Officer (GS-9, @ \$ 40.78/hr)	51 hrs	\$ 2,080
Bio Tech (1-GS-6 @ \$ 26.17/hr)	80 hrs	\$ 2,094

Bio Tech (3-GS-5 @ \$ 17.95/hr)	120 hrs ea.	<u>\$ 6,462</u>
	Subtotal	\$ 26,846
2. Travel		<u>\$ 0</u>
	Subtotal	\$ 0
3. Equipment		
a) Vehicles: GSA-lease (rate= \$334/month; 0.30/mile)		
Number of vehicles: 3		
Lease: \$ 334/month X 3 vehicles=\$ 1,002		\$ 1,002
Mileage: 100 miles/day/vehicle X 3 vehicles=3,000 miles		
3,000 miles X 0.30/ miles=\$ 900		\$ 900
b) Electrofishing supplies/repairs		\$ 200
c) Dip nets/bags, new seine purchase		\$ 100
d) Trash pump tune up/filters/gasoline/PVC suction/ discharge hoses		\$ 146
e) PPE (chest waders, rubber gloves)		\$ 600
f) Office supplies/paper, telephones, copy machine		<u>\$ 300</u>
	Subtotal	\$ 3,248
4. Other		<u>\$ 0</u>
	Subtotal	\$ 0
	FY2013 Total	\$ 30,094

IX. Budget Summary

FY-2012	\$ 30,094
FY-2013	<u>\$ 30,094</u>
Total:	\$ 60,188

X. Reviewers

XI. References

* Do NOT include overhead costs on funds transferred from Reclamation to the Service.

Prepared and compiled by: Bob D. Burdick, 9 March 2011
Revised by: BDB, 14 April 2011
BOB\SOW\2012_2013sow\GVIC_GVWUFishSalvage12_13sow.rtf